

Abstract of the Invention

Disclosed is a process for the production of esters. In particular, the process includes contacting an olefin or an ether with carbon monoxide and an acid
5 composition comprising $\text{BF}_3 \cdot 2\text{CH}_3\text{OH}$ to form a product composition, adding an alcohol to the product composition, and separating the $\text{BF}_3 \cdot 2\text{CH}_3\text{OH}$ from the ester. The separated $\text{BF}_3 \cdot 2\text{CH}_3\text{OH}$ may then be recycled to the reaction unit.